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# THE CRUISER

## 1960



Volume XX



YEARBOOK  
OF  
THE FORESTRY CLUB  
DIVISION OF FORESTRY

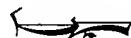


WEST VIRGINIA UNIVERSITY  
MORGANTOWN, WEST VIRGINIA

## ACKNOWLEDGMENTS

It would be highly misleading to say that this publication was solely the product of the Cruiser Staff's efforts. Without the substantial assistance of other contributors this year's Cruiser could not have been a reality. We would like to give special acknowledgements to Mr. Lester McClung, our feature writer; Dr. Carvell, our advisor; Mrs. Marion Cornwell, who helped us in many ways; and other fellow students outside of the staff, all to which we offer our hearty thanks.

*The Cruiser Staff '60*



# **CRUISER STAFF**

## **1960**



**Row 1: John Vallelonga, Lee Gillispie, Dave Knibb, Dr. Kenneth Carvell. Row 2: Royal Burnett,  
Robert Davis, Harold Stump.**

<b>Editor</b> . . . . .	<b>Dave Knibb</b>
<b>Business Managers</b> . . . . .	<b>John Vallelonga, Bob Davis</b>
<b>Photography Editors</b> . . . . .	<b>Leonard Koenick, Lee Gillespie</b>
<b>Art Editor</b> . . . . .	<b>Edward Gaskins</b>
<b>Faculty Advisor</b> . . . . .	<b>Dr. Kenneth L. Carvell</b>
<b>Members of the Staff</b> . . . . .	<b>Ben Dickens, Harold Stump, Will R. Hauck, Ronnie Wilson, Royal Barnett, Paul Fortin, Jim Wilfong</b>

### **SPECIAL ACKNOWLEDGEMENTS**

<b>Printing</b> . . . . .	<b>Atlas Letter Service</b>
<b>Photography</b> . . . . .	<b>Nat Saffel</b>

# **DEDICATION**



*W. Clement Percival*



# DEDICATION

The Division of Forestry at West Virginia University and its head, Dr. W. C. Percival, have grown together. For over a quarter of a century his vision and his energy have been given to forestry education in the State, and to him must be accorded much credit for the progress that has been made.

Dr. Percival, "Doc" to his students, associates, and friends, is a native of Vermont, and a graduate of the New York State College of Forestry at Syracuse. After a period of service as Ranger on the Greenbrier District, Monongahela National Forest, "Doc" came to West Virginia University in 1934 to institute a professional forestry program, and to explore possibilities of expanding this into a full professional course.

With the first forestry students as members, "Doc" organized the Forestry Club. When it appeared that the Legislature would not provide funds for the expansion of the courses, Forestry Club members carried the story to their legislators, their newspaper editors, and their friends. The result of good leadership and student effort was that money was provided, and the Division of Forestry came into being.

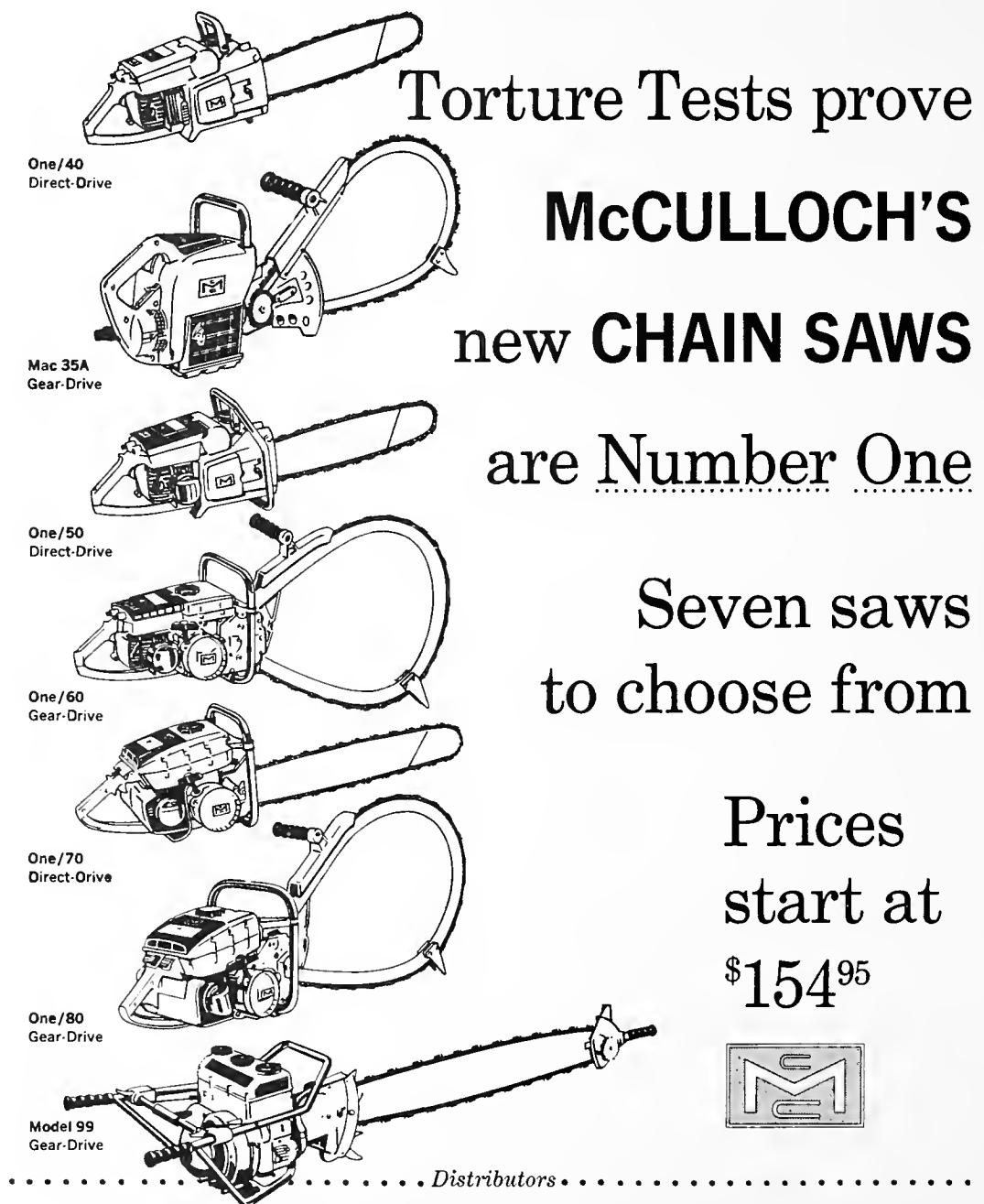
Since that time, the history of the Division has been one of constant growth and development. A cooperative of West Virginia forest land owners was established to bring good forestry practices to the State's lands. A portion of one of the University farms became the Forestry Woodlot. During the years of World War II, staff members devoted much time to the procurement of white oak for naval timbers and tulip poplar for the airplane industry. Camp Wood, the Summer Forestry Camp, came into being as the result of the friendship and help of Arthur Wood.

Milestones in the Division's development mark the accreditation of the work offered here, the establishment of the Island Creek Experimental Forest, and most recently the cooperative arrangement by which an 8000 acre portion of the Coopers Rock State Forest becomes a school forest for the Division.

These have been physical things, but "Doc" has always encouraged students in their maximum development. He and his staff have tried to train them for doing the world's work and have followed their careers with helpful interest. We all feel that he has been a true friend.

With great respect and affection, we, the students of forestry, dedicate this *Cruiser* to Dr. W. Clement Percival.





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## HOW THE CHIPS HAVE FALLEN

Article	Page
Dedication .....	4
Faculty .....	9
Seniors .....	14
Feature Article .....	22
Underclassmen .....	24
Secretaries .....	35
Summer Camp .....	36
University Forest .....	39
Forests of Iraq .....	44

# ADMINISTRATION



ELVIS J. STAHR, JR.  
*President of the University*



ROY M. KOTTMAN  
*Dean of the College of Agriculture,  
Forestry, and Home Economics*



W. CLEMENT PERCIVAL  
*Head of the Division of Forestry*

# FACULTY

## JOHN F. L. BELL, B.S.F.

Assistant Forester, West Virginia Agriculture Experiment Station. West Virginia University, B.S.F., 1949. U. S. Air Force, 1943-1945. Meadow River Lumber Company, 1949-1951. Mower Lumber Company, 1951-1953. Joined staff of the Division of Forestry as resident forester on Island Creek Experimental Forest, 1953.



## HOWARD P. BERTHY, B.S.F.

Extension Forester. Served with U.S. Air Force, 1942-1945. County Extension Forester, Eastern Panhandle, 1950-1952. Graduated West Virginia University, Division of Forestry, 1950.



## MAURICE G. BROOKS, M.S.

Professor of Wildlife Management, Forester, West Virginia Agricultural Experiment Station. West Virginia University, A.B., 1923. Associated with 4-H Club work as Assistant State Agent, 1923-1926. Upshur County High School Faculty, 1934-1938. Joined staff of the Division of Forestry, 1938. Graduate work for Ph.D., University of Michigan. Former member of West Virginia Conservation Commission.



## JAMES H. BROWN, M.F.

Instructor in Forestry, Assistant Silviculturist, West Virginia Agricultural Experiment Station. West Virginia University, B.S.F., 1953; Yale University, M.F., 1954. U.S. Forest Service, 1954-1955. U. S. Army, 1955-1957. Joined staff of Division of Forestry, 1957.

# FACULTY

## KENNETH L. CARVELL, D. FOR.

Associate Professor of Silviculture, Associate Silviculturist, West Virginia Agricultural Experiment Station. Harvard University, B.A., 1949. Yale University, M.F., 1950. Duke University, D. For., 1953. Served with U. S. Army, 1943-1946. Joined staff of Division of Forestry, July 1953.



## WALLACE W. CHRISTENSEN, Ph.D.

Associate Professor of Forest Economics, Associate Forester, West Virginia Agricultural Experiment Station. New York State Ranger School, 1946. University of Michigan, B.S.F., 1949. State University of New York, College of Forestry, M.F., 1954. State University of New York College of Forestry, Ph.D., 1957. Faculty of New York State College of Forestry Summer Camp, 1948-1953. Faculty of Paul Smith's College of Arts and Sciences, Forestry Department, 1950-1953. Teaching Fellow, State University of New York, College of Forestry, 1953-1956. Joined staff of Division of Forestry, July 1956.



## ALLEN W. GOODSPED, M.F.

Professor of Forest Management. Forester, West Virginia Agricultural Experiment Station. University of Maine, B.S.F., 1928. Yale School of Forestry, M.F., 1929. Forester, Litchfield, Connecticut, Forest Association, 1929-1931. Assistant in Applied Forestry, Yale School of Forestry, 1931-1933. Faculty of University of Maine, Department of Forestry, 1934-1938. Professor of Forestry, Iowa State College, 1938-1948. Joined staff of Division of Forestry, February 1949.



## NORMAN D. JACKSON, M.W.T.

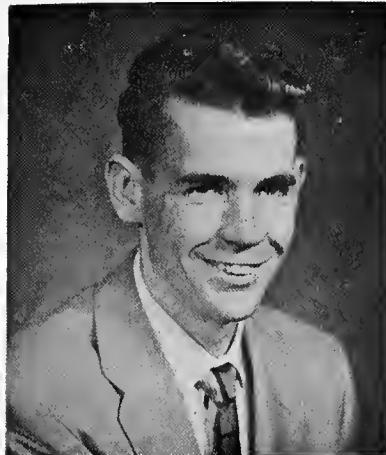
Instructor of Forest Utilization. West Virginia University, B.S.F., 1952. North Carolina State College, M.W.T., 1958. Associated with U.S. Forest Service, 1951. West Virginia Forest Products Association, 1952-1953. U.S. Army, 1946-1947. Joined staff of Division of Forestry, 1953.



# FACULTY

## ROBERT C. KELLISON, B.S.F.

Forest Superintendent. West Virginia University, B.S.F., 1959.  
U.S. Navy, 1952-1956. Joined staff of Division of Forestry, 1959.



## CHRISTIAN B. KOCH, M.S.

Assistant Professor of Forest Utilization, Director of Camp Wood. University of Idaho, B.S.F., 1947; M.S., 1950. U. S. Forest Service, 1947. Forest Products Laboratory, Australia, 1948-1949. Assistant Professor of Forestry and Extension Forester, Utah State Agricultural College, 1950-1951. Joined staff of Division of Forestry, 1951.

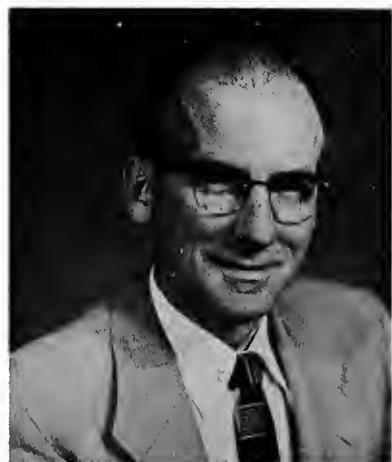


## THOMAS H. LANTZ, B.S.F.

Extension Forester. West Virginia University, B.S.F., 1959. U.S. Air Force, 1950-1954. Joined staff of Division of Forestry, 1959.

## WILLIAM H. REID, M.F.

Associate Professor of Forest Utilization. Associate Forester, West Virginia Agricultural Experiment Station. University of Michigan, B.S.F., 1937; Duke University, M.F., 1947. Upper Michigan Products Company, 1938-1939. U. S. Forest Service, 1939-1942. U. S. Army, 1942-1946. Chance Vought Aircraft, 1947-1951. Joined staff of Division of Forestry, 1951.



# FACULTY

## ROBERT L. SMITH, Ph.D.



Assistant Professor of Wildlife Management. Assistant Forester, West Virginia Agriculture Experiment Station. Pennsylvania State University, B.S., 1949; M.S., 1954; Cornell University, Ph.D., 1956. U.S. Army, 1950-1952. Faculty of N.Y. State University Teachers College, Plattsburgh, 1956-1958. Joined staff of Division of Forestry, 1958.

## EARL H. TRYON, Ph.D.

Professor of Silviculture. Silviculturist, West Virginia Agriculture Experiment Station. University of New Hampshire, B.S., 1936. U.S. Forest Service, 1936-1937. Bureau of Plant Industry, Division of Forest Pathology, 1937-1941. Oregon State College, M.S., 1940. Yale University, Ph.D., 1945. Joined staff of Division of Forestry, 1945.



## NOTE OF APPRECIATION

The faculty of the Division of Forestry are an outstanding group in the eyes of the forestry students for, not only are they well-learned in the subjects they teach and considered in many cases as experts in their field, but they show a sincere and friendly interest in the students, a characteristic which is lacking in many other regions of the university. We appreciate this attitude that our professors have held in respect to us, and it is hoped that such a desirable relationship can exist for many years to come.

# **EXECUTIVE COMMITTEE**

## **ELECTED OFFICERS**



**Row 1:** Dr. W. C. Percival, Advisor; William Grafton, Secretary of Public Relations; Arnett Mace, Assistant Chief Forester; Edwin Grafton, Chief Forester; Ed Griffin, Secretary; Don Gney, Treasurer.

**Row 2:** Tom McLaughlin, Sophomore Representative; Grover Katzman, Freshman Representative.

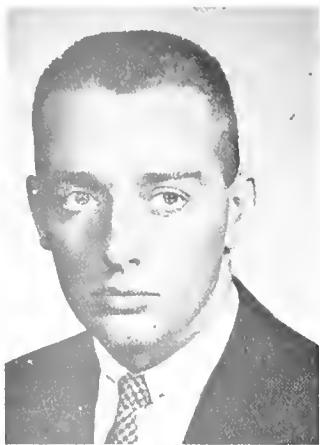
## **APPOINTED OFFICERS**



**Row 1:** Bob Smith, Social; Bob Kelley, School Development; Max Meadows, Program.

**Row 2:** Tom Jones, Student Employment; Dave Knibb, Cruiser Editor; Clay Smith, Athletic; William Grafton, Public Relations; Sonny Boyer, Banquet.

# SENIORS



**ADAMS, EDWARD L.**—August 1960—FM

Morgantown, West Virginia

Entered Sept. 1953; U.S. Army, 3 years; Summer Camp, 1958; Summer Job, St. Joe National Forest, Clarkia, Idaho; W.V.U. Rifle Team; Sigma Theta Epsilon, Methodist Fraternity; Society of American Foresters.



**BOYER, ROY L.**—June 1960—FM

Morgantown, West Virginia

Entered 1952; U.S. Air Force, 4 years; Summer Camp, 1958; Summer Job, U.S. Forest Service Fernow Experimental Station 1959; Chairman of Banquet Committee; Vets Club; Xi Sigma Pi.



**BUNTEN, RALPH T.**—June 1960—FM

Elkview, West Virginia

Entered Sept. 1956; Summer Camp, 1958; Summer Job, Directed 4-H camps for Agriculture Extension Service 1957, 1958, 1959; Varsity and ROTC Rifle Teams; Mountaineer Rifle Club; Alpha Gamma Rho; Dolphin; Scabbard and Blade; University 4-H Club, treasurer.



**CONES, WILLIAM L.**—January 1961—FM

Hyattsville, Maryland

Entered 1958; Transferred from University of Maryland; U.S. Air Force, 4 years; Summer Camp, 1959; Summer Jobs, Gunflint District, Superior National Forest, 1957; Beltsville Forest Insect Laboratory; Served on Greater West Virginia Weekend Committee, 1958; Westminster Foundation; Alpha Zeta, Xi Sigma Pi, Society of American Foresters.



**CONN, C. KEMP**—June 1960—FM

Point Marion, Pennsylvania

Entered 1956; U.S. Army, 2 years; Summer Camp, 1958; Summer Jobs, U.S. Forest Service, Montana, 1956, 1957; Oregon, 1959; Served on Banquet Committee; American Legion; Society of American Foresters.



**DAVIS, ROBERT**—January 1961—FM

Butlet, New Jersey

Entered Sept. 1956; Summer Camp, 1958; Summer Job; Greenville District, Plumas National Forest, California, 1959; Served on Cruiser Staff, Social Committee; Society of American Foresters.



**DICKENS, BEN**—June 1960—WM

St. Albans, West Virginia

Entered Sept. 1955; Summer Camp, 1959; Summer Jobs, U.S. Forest Service, Willamette National Forest, Oregon, Oak Wilt, 1957, 1958; Served on Social Committee, Cruiser Staff; Society of American Foresters.



**ELEFRITZ, THOMAS W.**—June 1960—WM

West Union, West Virginia

Entered Sept. 1956; Summer Camp, 1959; Summer Job, Gifford Pinchot National Forest, Troutlake, Washington, 1957, 1958; Sigma Theta Epsilon, Methodist Fraternity.

# SENIORS



**FOGUS, DONALD L.**—January 1960—FM  
White Sulphur Springs, West Virginia

Entered Feb. 1956; U.S. Army, 2 years; Summer Camp, 1958; Summer Job, Bennie Synder Construction Co., Elkins, W. Va.; Served on Social Committee; Vets Club.



**FOREBACK, CURTIS G.**—January 1961—FM  
Beryl, West Virginia

Entered Sept. 1958; Transferred from Potomac State; Summer Camp, 1959; Summer Job, W. Va. Pulp & Paper Co., Luke, Md.; Served on Sports Committee, Social Committee; Society of American Foresters.



**GASKINS, EDWARD A.**—August 1960—WM  
Clarksburg, West Virginia

Entered 1956; U.S. Army, 2 years; Summer Camp, 1959; Served on Cruiser Staff; Mason-Dixon Muzzle-Loaders Association; National Rifle Association; Society of American Foresters.



**GNEY, DONALD C.**—June 1960—WM  
Doris, West Virginia

Entered 1956; U.S. Army, 3 years; Summer Camp, 1959; Summer Job, West Virginia University, Coopers Rock; Sophomore Representative; Chairman of Social Committee; Treasurer of Forestry Club; Alpha Zeta; Phi Epsilon Phi; Xi Sigma Pi; Society of American Foresters.



**GRAFTON, EDWIN**—January 1961—WI  
Lookout, West Virginia

Entered Sept. 1956; Summer Job, Mower Lumber Company, Nallion, W. Va., Oak Wilt Survey; Chief Forester; Served on Social Committee; Chairman of Athletic Committee; Alpha Zeta; Phi Epsilon Phi; Xi Sigma Pi; Society of American Foresters.



**GRIFFIN, EDWARD L.**—June 1960—WI  
Wayne, West Virginia

Entered 1956; Summer Camp, 1958; Summer Job, Gilbert Lumber Company, Island Creek Experimental Forest, Northeastern Forest Experimental Station, Bartlett, N. H.; Served on Social Committee; Secretary of Forestry Club; Alpha Zeta; Assistant Forester of Xi Sigma Pi; Acting President of Phi Epsilon Phi; Society of American Foresters.



**HARMAN, DAN M.**—January 1961—FM  
Horton, West Virginia

Entered Jan. 1958; Transferred from Potomac State; Summer Camp, 1960; Served on Jug Band; Society of American Foresters.



**HAUCK, WILL R.**—January 1961—FM  
Mothios, West Virginia

Entered Sept. 1954; Summer Camp, 1959; Attended Potomac State summer school; Served on Cruiser Staff, Social Committee; Advanced ROTC.

**HAYHURST, CHARLES K.—June 1960—FM****Morgantown, West Virginia**

Entered 1952; U.S. Army, 3 years; Summer Camp, 1959; Summer Jobs, Kootenia National Forest, Montana, Malheur National Forest, Oregon.

**SENIORS****KNIBB, DAVID G.—June 1960—FM****Hagerstown, Maryland**

Entered June 1957; Transferred from University of Maryland; Summer Camp, 1958; Summer Job, Okanogan National Forest, Twisp, Washington; Served on Jug Band, Cruiser Staff; Editor of Cruiser; Greater West Virginia Weekend Committee; University Religious Council; Xi Sigma Pi.

**KNIGHT, GORDON A.—June 1960—WM****Aberdeen, Maryland**

Entered Sept. 1956; Summer Camp, 1959; Summer Job, Maryland Game and Inland Fish Commission, Hartford Company, Md., 1957; Chemical Warfare Laboratories, Army Chemical Center, Maryland, 1958; Xi Sigma Pi, American Ornithological Society, Wilson Ornithological Society; Advanced ROTC.

**LEWIS, RALPH A.—June 1960—FM****Morgantown, West Virginia**

Entered Sept. 1955; Transferred from U.S. Naval Academy; Summer Camp, 1958; Treasurer of Advanced ROTC and AFR OTC; Xi Sigma Pi.

**LUZADDER, HAYMOND R.—January 1961—FM****Grafton, West Virginia**

Entered 1956; Summer Camp, 1959; Summer Job, Student Foreman at University Dairy Farm; Served on Social Committee, Jug Band; University 4-H Club; Vice-Pres. Dairy Science Club; Editor of Dairy Science Club yearbook; Superintendent of Dairy Cattle Congress and Show; Member of University Dairy Cattle Judging Team; Society of American Foresters.

**MACE, ARNETT C. JR.—June 1960—FM****Horner, West Virginia**

Entered Sept. 1956; Summer Camp, 1958; Summer Jobs, Stanislaus National Forest, San Andreas, Calif., Student Assistant 1959 Summer Camp; Secretary and Assistant Forester of Forestry Club; Co-chairman Greater West Virginia Weekend Committee; Served on Social Committee, State Awareness Committee; Alpha Zeta; Xi Sigma Pi; American Forestry Association; Society of American Foresters.

**MAZZOTTI, CARMEN B.—July 1960—FM****Point Marion, Pennsylvania**

Entered Sept. 1956; Summer Camp, 1959; Summer Jobs, U.S. Army Corps of Engineers, 1956; Galardi Construction Co., 1958; Served on Banquet Committee; Alpha Sigma Phi, Fraternal Order of Eagles, Society of American Foresters.

**MEADOWS, MAX B.—June 1960—FM****Danville, West Virginia**

Entered Sept. 1956; U.S. Navy, 4 years; Summer Camp, 1958; Summer Jobs, Tillinghast & Reed; Tahoe National Forest, California; Chairman of Program Committee; Vets Club; Society of American Foresters.

# SENIORS

**MITTEN, GARY P.**—January 1961—FM  
Chillicothe, Ohio

Entered Sept. 1958; Transferred from Ohio University; Summer Camp, 1959; Summer Job, Mead Paper Company, Chillicothe, Ohio, 1957 & 1958; Served on Social Committee, Xi Sigma Pi, Kappa Alpha Fraternity, Advance Army ROTC, Society of American Foresters.



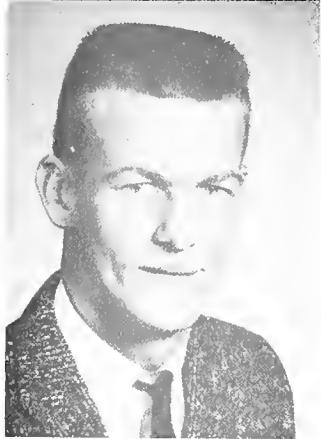
**MOLLISH, ANTHONY P.**—January 1961—FM  
Raleigh, West Virginia

Entered Sept. 1956; Summer Camp, 1959; Served on Social Committee; Xi Sigma Pi, Alpha Zeta.



**PRICE, JOHN D.**—June 1960—FM  
Uneedo, West Virginia

Entered Sept. 1956; U.S. Navy, 4 years; Summer Camp, 1958; Summer Jobs, Tillingshast and Reed, W. Va. Conservation Commission; Vets Club; Society of American Foresters.



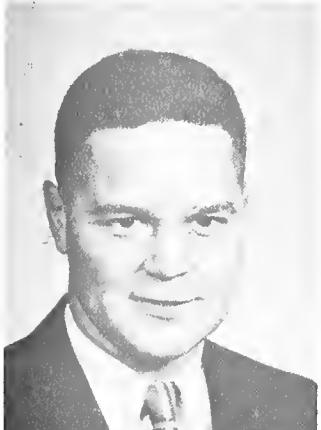
**ROWAN, GLENN S.**—January 1960—FM  
Belington, West Virginia

Entered 1955; Summer Camp, 1958; Summer Jobs, Hanna Coal Co., Agriculture Experiment Station; Served on Greater West Virginia Weekend Committee, University Marching Band; Society of American Foresters.



**SCHUMANN, RICHARD E.**—June 1960—WI  
Long Island City, New York

Entered Sept. 1956; U.S. Navy, 4 years; Summer Camp, 1958; Summer Job, U.S. Lines Company, Marine Engineer, 1957 & 1959; Served as Photography Editor of Cruiser 1959; Greater West Virginia Weekend, Mountaineer Weekend; Xi Sigma Pi.



**SMITH, H. CLAY**—January 1961—FM  
Piedmont, West Virginia

Entered Sept. 1958; Transferred from University of Maryland and Potomac State; Summer Camp, 1959; Summer Job, W. Va. Pulp & Paper Company, Luke, Maryland; Served on Social Committee; Chairman of Sports Committee; Society of American Foresters.



**STALNAKER, CLAIR B.**—June 1960—WM  
West Union, West Virginia

Entered 1956; Summer Camp, 1958; Summer Jobs, W. Va. Conservation Commission, Neola and Harrisville, W. Va., U. S. Forest Service, St. Regis, Montana; Served on Social Committee; Ranger in Xi Sigma Pi; President of Alpha Zeta; Phi Epsilon Phi; Society of American Foresters.



**STRAWN, GARY D.**—June 1960—WM  
Dilliner, Pennsylvania

Entered Sept. 1956; Summer Camp, 1958; Summer Job, West Point Marion Lumber Co., Point Marion, Pa.; Society of American Foresters.



# SENIORS



STRICKLAND, JOSEPH R.—June 1960—FM  
Summersville, West Virginia

Entered Sept. 1956; Summer Camp 1959; Served on Greater West Virginia Weekend Committee, Program Committee, and Social Committee; Society of American Foresters.



STUMP, RICHARD F.—July 1960—FM  
Grantsville, West Virginia

Entered Jan. 1951; U.S. Marine Corps, 3 years; Summer Camp, 1959; Summer Jobs, U.S. Forest Service, Quincy, California, Feather River Lumber Co., Loyalty, California; Served on Social Committee; Co-chairman Greater West Virginia Weekend Committee; Society of American Foresters.



THAYER, JOHN M.—January 1961—FM  
Craigsville, West Virginia

Entered Sept. 1958; Transferred from Potomac State; Summer Jobs, U.S. Forest Service, Richwood, W. Va., and Pierce, Idaho; Society of American Foresters.



THOMAS, CHARLES L.—January 1960—WM  
Morgantown, West Virginia

Entered Sept. 1955; Summer Camp, 1959; Summer Jobs, Mt. Hood National Forest, Oregon; Gifford Pinchot National Forest, Washington; Tau Kappa Epsilon; Society of American Foresters.



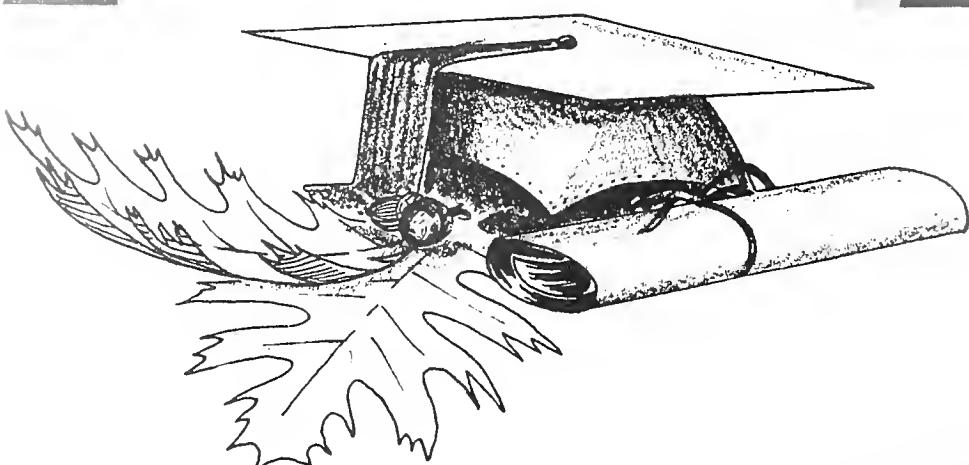
VALLELONGA, JOHN F.—January 1961—FM  
Anmoore, West Virginia

Entered 1956; U.S. Army, 2 years; Summer Jobs, Hazel-Atlas Division Continental Can Co., W. Va. Conservation Commission; Served on Social Committee, Forestry Patch Committee, Greater West Virginia Weekend Committee; Business Manager of Cruiser; Newman Club; American Legion; Society of American Foresters.



WILSON, LEON J.—January 1960—FM  
Cottle, West Virginia

Entered Sept. 1956; U.S. Marine Corps, 2 years; Summer Camp, 1959; Summer Job, W. Va. Conservation Commission; Drived on Social Committee; Vets Club; Society of American Foresters.



# CLASS OF 1960

C. KEMP CONN

As June 1960 comes and goes, to many it will be just another month—another year—swallowed up in the evolution of time. But for a few of us it is the time when the graduating class of 1960, Division of Forestry, West Virginia University, will make their way into Mother Nature's great out-of-doors and apply the knowledge obtained during our four years of college. No, we are not the first, nor will we be the last, to explore the rapidly-expanding field of forestry. We must endeavor to secure the prosperity of our Nation and others by stepping in where those before us have left off, and to secure a larger foot-hold for those who are to follow.

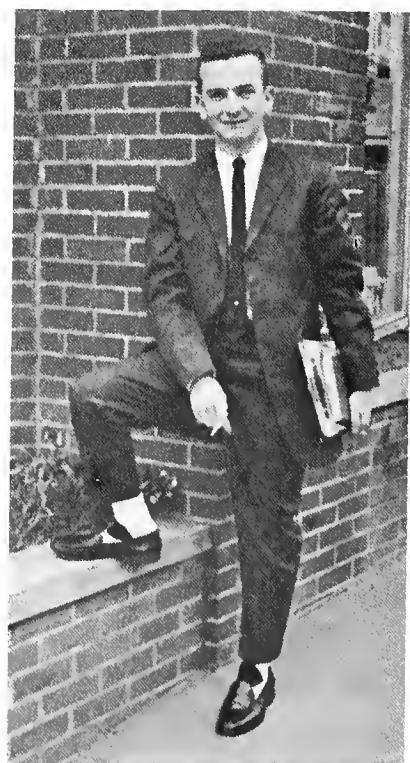
It seems only yesterday that a group of shy, unconfident freshmen—the twenty-second freshman class in the Division of Forestry—gathered for the first time to listen to "Doc" Percival's introduction to the forestry school. Today, just one-fourth of this group is left, however, several transfer students have been added to swell our ranks. All have gained forwardness and confidence—and, most important of all, discovered ourselves and our capabilities.

The first year found us open-mouthed as we viewed our new surroundings, and got acquainted with college life, each other, and our courses of study. We soon found out what a lab trip is, where Cooper's Rock Forest is located, plus a vast array of scientific names which never ceases to end. By the time we were sophomores we had learned how to evade Saturday classes—but never did find a way to get out of Chemistry. The first annual Penn State-West Virginia Forestry Field Meet was scheduled in 1958. Although we lost, a good showing was made and everyone had a great time. Between our sophomore and junior years we took that memorable trip to Sunshine Valley and Camp Wood. Our objectives were two: first, to investigate this place called "Maple Grove," and second, to take courses in surveying, mensuration, silviculture, and logging. That year the softball team tied for first place, but could not play in the championship game because we had to invade the South. As we stormed Durham, North Carolina, we were met by "see-me-nots," better known as chiggers.

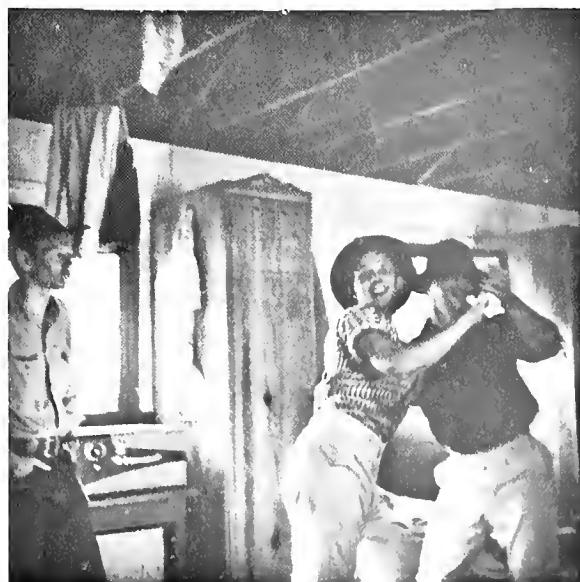
As juniors we were over the halfway mark, and it really felt good. With English and other "cross campus" courses tucked under our belts, we started to get involved in the more important forestry courses, and found that we had to look a little deeper for some of the answers. Alas! we were seniors. This is the most exciting and important year, for we had almost reached the top of our college career. Everyone was talking about job openings (?) and where they would like to work. Some were still trying to figure out what happened to that second  $(1 + p)^n$  back in the first finance exercise, while others were wondering about sporangia—spores infesting the minds of forestry students.

As we leave our Alma Mater, we hope that we can uphold the fine reputation of the Division of Forestry which previous graduates have established. We hope to create new and higher standards in forestry for human interest, and for self content, and that these will reflect on our University as a leader in forestry education. We wish to thank you, the faculty, who have planted the knowledge of forestry in our minds, and you, our friends and associates, who have made our college years unforgettable. We wish you all the best of luck in the years ahead, and hope to see you again in the near future.

# SENIOR SNAPSHOTS



# SENIOR SNAPSHOTS



# PROFESSIONAL RESPONSIBILITY

LESTER McCLUNG  
West Virginia State Forester

Forestry in West Virginia is a profession. It is a profession, however, which is not yet fully recognized by the people of the state. Within recent years foresters have been challenged by other professional people claiming forestry is not a profession even for tax purposes. Let us readily admit that forestry does not have the stature of the LEARNED PROFESSIONS, i.e., theology, law and medicine, but let us also recognize that forestry has had professional status in this country for little more than a half century and even less time in our state.

The best definition of a profession, in my opinion, is, "A body of persons engaged in a calling." Forestry in West Virginia measures up to this definition in every respect. I do not believe a more dedicated group of men can be found than the foresters, publicly, privately or self-employed, who are working to earn the professional acceptance of their chosen calling. I believe this personal dedication is the result of the feeling that each is a part of the body and that the body is engaged in this calling. The end product is a fraternal dedication that will put forestry in its rightful place among the professions.

A review of what has happened here in West Virginia is worthy of a few moments time. Twenty years ago a forestry school had been established and had released its first class of professionally trained foresters to fend for themselves and make a place in the sun for their services. To that end they have done well—in both forestry and other professions. At the same time the Conservation Commission had all of four trained foresters and they were engaged in fire protection and administrative matters, with fifty percent in the Charleston office. The U. S. Forest Service probably had no more than ten foresters assigned to the Monongahela. The Civilian Conservation Corps had camps operated by the U. S. Soil Conservation Service, the U. S. Forest Service had camps administered for the National Forests and State Forestry, and the U. S. Park Service had camps administered for the development of State Parks. A few foresters were assigned to these camps, the last of which closed in early 1942. There was not a single known forester employed by industry or self-employed at that time. In all probability there were no more than thirty or thirty-five foresters in West Virginia in 1940.

In the late forties and early fifties the profession made rapid strides. The forestry school was graduating bumper crops, mostly ex-GI's who had learned to stand up and talk for themselves. They naturally needed jobs, so the state received increased appropriations for protection and service programs and kept some of the graduates here at home. The National Forests started expansion programs which increased the technical staff. Other federal agencies hired foresters because of their versatility. This period saw the introduction of consulting services to landowners for the first time. The most significant growth, however, was the increased employment of foresters by private industry. Lumber, coal and landholding companies were the principal employers. Some few foresters were beginning to see and like the opportunities of self-employment and yielded to the temptation.

## PROFESSIONAL RESPONSIBILITY (Continued)

Progress continued but generally at a decelerated pace. Twenty years later we find a fully accredited Forestry Division at the University but one greatly in need of more adequate facilities and faculty. The graduates are sought after wherever foresters are wanted. Those who pioneered in the field of private industry and consulting forestry have well earned the respect of employers and clients on a professional basis. The state employs foresters in several departments and programs, but, in what some people call true bureaucratic fashion, requests are continually made for an expansion in organization. Federal agencies have increased the number of foresters in several instances and will still argue for more. And so it goes! But all the while foresters are making friends and performing services that are becoming to the profession. The number of foresters in the state has more than quadrupled in twenty years and the profession is still young in West Virginia.

And now that forestry is about to become a confirmed and accepted profession, what is the responsibility of the individual forester to his profession? I am not thinking particularly of a code of ethics; the code adopted by the Society of American Foresters is acceptable. Sure we have an obligation to the forestry profession through its society and even the individual members. There is the usual loyalty and performance every employer has the right to expect, and also the responsibility of the forester to himself to keep informed on advancing professional matters, or in just plain words, "keeping up." Technological advances in this modern age require this of all technicians. There is also a responsibility to the home, church and community, and still another responsibility which I firmly believe the forester has. This responsibility is to the forest resources with which most foresters will be concerned throughout their professional career.

When we listen seriously to the forecasters of population increases and demands on all resources within the next generation, we can become frightened by what lies ahead. I could very easily become a pessimist if I did not know that some of this nation's best brains will be at the helm to steer a steady course. Even with the most capable professional foresters calling the shots, it will not be easy to meet the demand for forest products with an adequate supply.

Our forest resources are perhaps the most controversial of our natural resources because of the varied interests of many groups. The varied interest groups will present many problems to both the forest managers and people in policy making positions. Few, if any, decisions will be made that will receive unanimous acclaim. Some groups want vast areas set aside for wilderness and perpetuated as such, while other groups want forested watersheds left untouched for a water supply. Certain groups look at a forest only for the products that it can produce. And so it is that a forest means different things to different people.

There is a challenge to every forester entering the profession to uphold the principles of multiple use management in order that all the needs will be met. This applies to public as well as private holdings. The philosophy of good stewardship must be developed in the management practices of forest landowners if successive generations are to inherit the potential to equal our present standards of living. Landowning foresters have a responsibility, perhaps greater than other owners, to demonstrate good stewardship and to encourage its principles to be used on all lands. Shouldn't foresters look upon their professional as a sort of privilege which carries definite moral, social and spiritual responsibilities, in the management of these God-given resources?

The responsibilities are staggering as we face them today, but I believe the devotion of today's foresters, and the ones to follow, will meet them head on. Let us consider a thought from an old adage and propose that all forest landowners live each day as if he were going to die tomorrow, but to manage his forests as if he were going to live forever.

## JUNIORS



L. ANDERSON



J. AYTON



F. BAILEY



R. BRITTAINE



J. BRODIE



J. BROWN



D. CHIPMAN



G. CLENDENING



W. CORRELL



J. CROMER



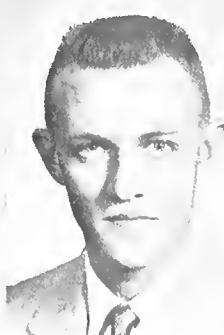
D. EARLS



E. FRAME



L. GILLESPIE



W. GRAFTON

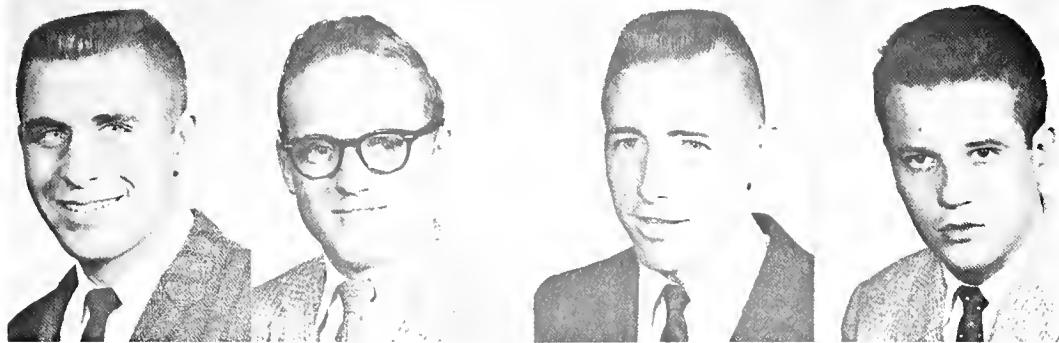


V. GRUND



W. HODSON

## JUNIORS

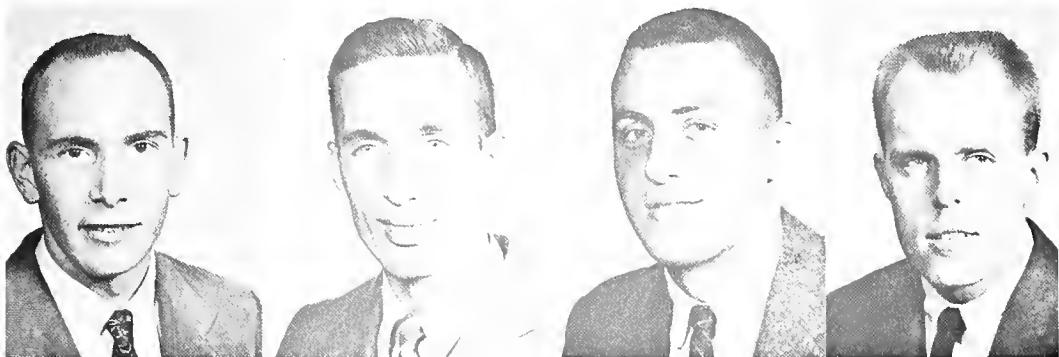


T. JONES

R. KELLEY

N. LEWIS

P. MCKILLIP



J. PIRIE

J. REILLY

S. RENSMA

J. RILEY



B. SMITH

R. SMITH

D. WALLS

A. WILSON

NOT PICTURED

BARNES, BROOKS, CARPENTER, FISCHER, HEDRICK, KALLGREN, KNIGHT, LANTZ, MEADOWS, POE, REXRODE,  
ROBERTS, ROTH, SHIRES, SIMON, SMITH, SONDERMAN, ZAEBST

## JUNIOR CLASS



L. THOMAS JONES

It seems impossible that over two years of higher education have flown by, and already we find ourselves juniors, the graduating class of 1961. Our numbers have decreased considerably since we were freshmen, but those of us remaining know that graduation is in our future plans. Behind us lie the troublesome basic college courses and summer camp. Ahead of us are the interesting courses of our profession, deeper friendships with our fellow students, and graduation.

Our struggle through the basic college courses was a tiresome one, but the future looks much brighter with courses more closely associated with the forestry profession. For the first time, we are beginning to picture what a forester really is—by instruction in courses such as 112, 116, 131, and 151. The long outdoor laboratories in 112 are enjoyed by all because new ideas and practices of forestry are presented to us, and because fun-filled bull sessions are always going on in the back of the trucks.

Since we started college, we have been forming lasting friendships and learning to get along with people. These are of particular importance to a forester. We have practiced our ability to get along with people in our summer jobs, at summer camp, and, of course, on Saturday nights. Lasting friendships are being formed in bull sessions at the "Lair" and in the back of the trucks, at Forestry Club, and at the fabulous Jubilees. These friendships will not end at graduation, but will last even after we are spread from the flatlands of the Southern Pine Region to the peaks of the Rockies.

All of us look forward to graduation, but most of us wonder what to do after we graduate. Those who have not been in the Service can't decide whether to enlist in some branch of the Armed Forces or get a job and wait to be drafted. This is something most of us have been thinking about constantly. A few of our Class will delay this decision by going on to graduate school; others—the lucky ones—won't have to make this decision because they have already served their Country.

In conclusion, we the graduating class of '61 wish to the seniors the best of luck and happiness in everything they undertake. We hope that we can follow in their footsteps and uphold the high stands which they have set.

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J. BALLA



N. BOYCE



R. COLEBANK



R. GLOVER



V. HAYNES



F. KLINZING



L. KOENICK



L. KOSUP



L. LUCAS



J. MALLOW



T. MC LAUGHLIN



L. MCPHERSON



D. NETRO



W. REYNOLDS



A. RIFFLE



S. RIORDAN

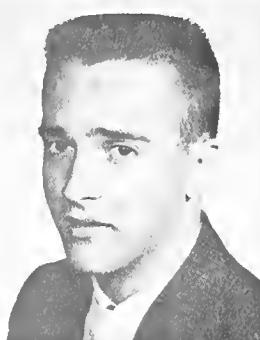
## SOPHOMORES



R. STEMPLE



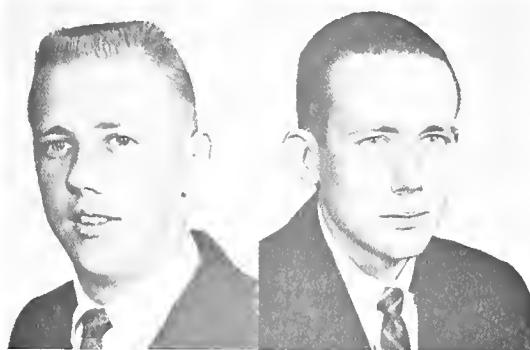
A. TIBBS



J. WILFONG



E. WILKINS



R. WILSON

G. WOOD



NOT PICTURED

ANTILL, BERISFORD, BOYLES, BROOKS, BUCKLEW, BUTLER, CARMICHAEL, CARRINGTON, COOK, DUDAK,  
DUZO, EVANS, FRY, GLASSCOCK, GRIFFIN, HALL, HEID, HOMA, KURCABA, MADORE, MARLEY, MARSH,  
MASENHEIMER, MAY, MIDDLETON, MORRIS, MYERS, PARRISH, POLASKI, RICOTTILLI, POWAN, SEAMON  
SHEIRICH, SHIELDS, SNYDER, SNYDER, WEAVER, WILOMAN, WILLS

# SOPHOMORE FORESTERS

FRED BROOKS

We, the sophomore forestry class of West Virginia University, are proud of the noble heritage which has been sent down to us by our predecessors. To us the opportunity to better our minds and broaden our experiences has been so graciously given. We, alone, have the privilege of expanding ourselves in our chosen field of forestry. For on what other campus in this great land of ours could sophomore foresters participate in a field trip into the Great Falling Run Swamp? This comes to us, alone, through the courtesy of Sewerology 105. Where else, we ask you, could we have the privilege of ascending the heights of Dorsey's Knob in a driving rainstorm to learn the joys and virtues of Soil Science? Truly, brother sophomores, it is we, the chosen few, to whom these great benefits are offered.

But in counting our manifold blessings, we must not consider our curriculum of work as our only benefit. We must also consider the famous campus personalities with whom we are allowed to attend class. First of all, let us consider our gallant Saturday afternoon hero. This classmate of ours, who had the funny little "55" pasted on his back, went galloping around the gridiron seeing how many heads he could bash in. Second on our list comes the Forestry Club's gift to television—The Riflemen. Next comes our friend, the sports car addict who has turned forestry truck driver. This classmate is fine on the open country highway (as long as there are not any dogs in front of him), but he is murder on those uphill starts where he can not quite savvy the difference between low and reverse. And last but not least, the newest addition to our list of famous personalities: the little green-men. These are the fellows we see running around in the green jackets with all the funny little white letters on the back.

There comes a time in the life of every sophomore forester that may be pointed to with pride in later years. We reach this point at different times during the year, but the end result is the same. Sooner or later, we realize that we must come to grips with ourselves. We must STUDY! In an actual poll taken among the sophomore foresters, various important study subjects emerged. They appear below in the following order of considered importance:

- (1) Sidewalk classes in female anatomy
- (2) Sleeping posture 231
- (3) Television viewing 117

Of course, we find that mere day-by-day studying is not sufficient to enable us to pass the more rigorous tests which will arise in our future. To better prepare ourselves, then, we often spend our Friday and Saturday nights in a local pub, cramming for the rugged set of finals down at Maple Grove.

Thus, we, the illustrious Forestry Class of '62, are honored to have the previously listed outstanding curriculum, the fine selection of campus personalities as classmates, and the conscientious program of study which we now employ. For us, the future brightly shines.

# FRESHMEN



A. BARKER



S. BAUGHMAN



H. BOWER



C. CRAMER



W. CURRENT



R. DETRICK



H. DOUBLE



W. ELLIOTT



R. GEESY



J. GNEY



H. HIRSCH



A. KENDALL



G. KING



D. KOHLER



R. LUDWICK



T. MASON

## FRESHMEN



R. McCUTCHEON

M. McVEY

R. MILLER

D. MILLER



D. PAULSEN

G. PUGH

W. SMITH

C. STUMP



J. VANSCOY

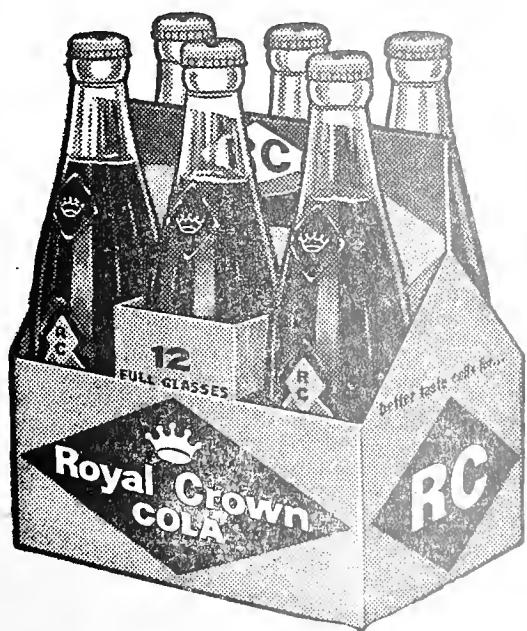
R. WAGGY

NOT PICTURED

BISHOP, BOWERS, BOWMAN, BURNETT, CORNELL, CROSS, DAVIS, DUDLEY, HEADLEE, HENRY, JERAN,  
KATZMAN, LAMBERT, LLOYD, MILLER, MOHLER, NEEDY, PAUL, PRICE, PULLEN, SERGENT, SHEPHERD,  
SIMMONS, SIMMONS, SMITH, THORNE, WOESSNER, WOODESHICK



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# FRESHMEN SPLINTERS

HAROLD BOWER

We arrived in Morgantown at different times and by different methods, but we all had one objective in common—we were future freshmen foresters. During Freshman Week we were subjected to an endless series of tests to determine just how ignorant we actually were. All had many hopes and aspirations—for some these would eventually become a reality, for others they would remain only dreams. Some would become discouraged, some would quit for other reasons (some good reasons, some not so good).

Freshman activities started with a physical examination. No comment, but please do not expect us to go through it again. We were stuck, poked, and prodded enough for an ordinary lifetime. By the way, one of the doctors said that yours truly had 20-20 vision—without glasses!

When the doctors were finished with us, we were hustled around the campus and finally made it to the "new and modern" Forestry Building. There we were introduced to forestry. We were also given tentative schedules to bring to registration at the Field House. Confusion really started when we tried to get class cards. Snarling professors would look up at us with beady eyes and say—"You can't have that class, there are no more cards." Finally, after about five hours apiece, we had our cards and were ready to go. Without help from our understanding forestry instructors we probably would not have made it.

By the second week things had quieted down and the dust had settled. We were getting our first taste of college classes. None of our subjects were difficult, at first. Then the two scourges of all forestry freshmen began to loom larger in the shadows, waiting to devour us. They were Chemistry and Math 2. Some of us fell by the wayside. Others, the stronger-willed, fought the battle. Soon it will be known how many have lost the fight.

On Tuesdays we had Forestry Club, with compulsory attendance for freshmen and sophomores. The Freshman Class elected Grover Katzman as their representative to the Executive Committee. He was also a truck driver for our Saturday field trips. He knows every chuck-hole and bump in the roads around Morgantown. We can't figure out just what he has against us. Speaking of Saturday field trips—did you ever see a forester cruising timber carrying his open umbrella?

One memorable event was the Freshman Initiation. The upperclassmen actually look forward to this bloody event. They picked the roughest country in all West Virginia to drag us through—over rocks, logs, stumps, and low branches, through mud holes, brush and briars, blind-folded and in the dark of night. Finally it was over and we were in. They gave us cider, milk and donuts. Advice to the innocent—don't mix cider and milk. After sinking the axe, we received our Club privileges—paying dues. Just for a matter of record, the freshmen beat the upper classes in paying dues, however, that is all we beat them in.

Later in the fall the Forestry Club held a miniture Jubilee to determine who would compete against Penn State next spring. One of our freshmen, Gary Pugh, placed in the tobacco spitting contest. A few of us tried to ride the barrel, but it was more than we could take. One of our freshmen, Al Barker, can't stomach tobacco.

The last event was a tug-of-war between the Juniors and Seniors, and the Freshmen and Sophomores. The Seniors beat the Juniors. As there weren't enough Sophomores to pull against us, we tackled the Seniors and lost.

All in all, those of the Class of 1963 that are left have plenty of hard work ahead, and fun too, but feel the end results will be worth it all.

# SECRETARIES



MARGARET SIMMONS



JOY ELAINE HAMILTON

MARION CORNWELL



PAT ORE



RUTH REED



# SUMMER CAMP 1959



It's happened every summer since 1938—the WVU Forestry Summer Camp has been blessed with a non-discript group of would-be foresters. Camp Wood is located in Greenbrier County near Alton, and for the twenty-first consecutive year the forestry students at West Virginia University have arrived there in early June for a summer of forestry field practices. After two or three years of hearing about summer camp, thirty-nine students finally saw it for the first time this summer. Following the tradition of years past, we spent our first night at the famous Maple Grove, a word that has come to be synonymous with Camp Wood.

The first bleary morning we were greeted by that awful bell and breakfast. Breakfast was not quite as bad as the bell. Our first instructor was Chris Koch, who taught us how to survey (He did??). This little exercise of going uphill and downhill, through laurel and brush, and over rocks and logs lasted two weeks. After we became familiar with the compass, we noticed that Dr. Christensen had arrived early, so we began our timber cruising. For three weeks we cruised timber and hunted snakes. (A tip to sophomores—the more snakes you get, the better grade you get.) We were divided into thirteen compatible, three-man crews. At least we were in three-man crews. While Doc and his assistant, Arnie Mace, hid in the woods, we rushed uphill and downhill, tallying trees and trying to keep from loosing Salih or Clendening. At last the manual labor was done, and we had a welcomed break before we began the next five weeks of mental strain with the well-known silviculturist, Dr. Carvell.

For the next four weeks we alternated between silvicultural practices and logging. Professor Brooks came down to camp the last week and took us to Cranberry Glades, which we had heard so much about. The tenth week was spent at Duke University, where we visited nearby wood-using industries and several experimental forests.

As we reminisce of our days at Camp Wood, the things we remember are the softball games, the basketball played under the old tree, and, of course, the cool water at Blue Bend after a day of going uphill and downhill. Everyone will remember Dick Stump's flip off the board at Blue Bend, and surely no one will forget Clay Smith's two favorite subjects or Gary Mitten's immortal 135 pound press to Joe Hash's dismay.

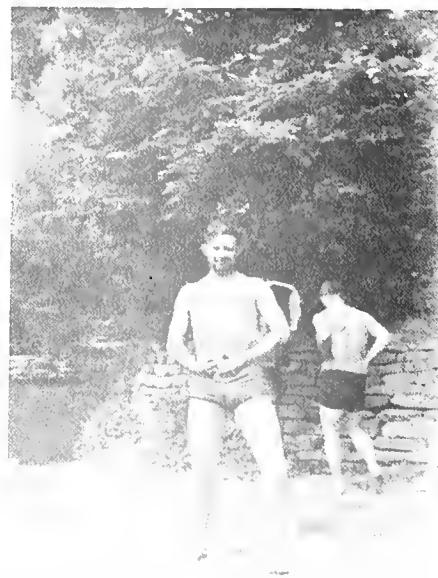
Another highlight of the summer was the infamous retaliation by the geology students when someone released a skunk in their barracks. The favor was returned to the tune of some sixty flat tires and sixty missing valve cores. Sophomores, you remember this next year.

This article would be incomplete unless it noted that Sonny Gregory finally shot that groundhog he missed almost every evening all summer. In the social light we had a party given by Tahir (Camel Riding) Salih, which celebrated the king of Iraq's death. One of the last remembrances of Camp was our last fling, celebrated in the customary way of all former foresters. At last we can say we are Camp Wood alumni, but the days of summer camp will be relived whenever WVU foresters meet in future years.

# SUMMER CAMP SNAPSHOTS



GROOMING FOR THE GROVE



TARZAN

LIL ABNER

WHO SAID THEY WERE GEOLOGY MAJORS



# XI SIGMA PI



Row 1 - Arnett Nace, Roy Boyer, Ed Griffin, Clair Stalnaker

Row 2 - Mr. William H. Reid, Joseph Wolfe, David Knibb, Ralph Lewis, Gordon Knight, Jack Wills, Dr. Robert Smith, Dr. Kenneth Carvell

## NATIONAL FORESTRY HONOR FRATERNITY

"To secure and maintain high standards of scholarship in forestry education, to work for the upbuilding of forestry, and to promote fraternal relations among workers engaged in forestry activities."

Rho Chapter of Xi Sigma Pi, a national forestry honorary fraternity, was established in the Division of Forestry in 1952. Junior and senior students whose scholastic records place them in the upper 25 percent of their respective classes may be elected to membership. This fraternity was established at the University of Washington in 1908. There are now 19 active chapters with a total membership of nearly 5,500.

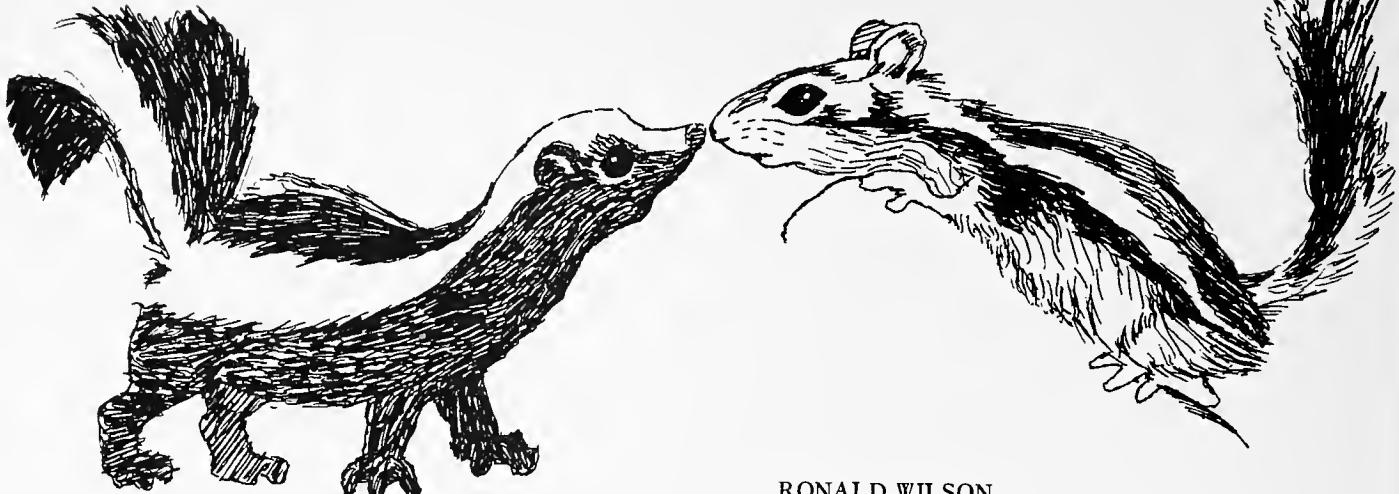
# THE UNIVERSITY FOREST



**BOB KELLISON**

SUPERINTENDENT

# THE WEST VIRGINIA UNIVERSITY FOREST



RONALD WILSON

In May 1959 the Division of Forestry of West Virginia University acquired a 7,500-acre teaching and research forest. This tract, lying north of West Virginia State Route 73 in the Cooper's Rock State Forest, and now known as the "West Virginia University Forest," was obtained from the Conservation Commission of West Virginia on a 99-year lease.

The land and facilities will become a center for field instruction and research. Through a prior agreement with the Conservation Commission a number of research projects have already been established in this area—many others will follow. These will provide answers for many current timber management and game management problems. Since the leased area is covered with hardwood forests typical of those found throughout much of West Virginia and adjacent Pennsylvania, research results should find application over a wide area. Aside from establishing new research projects, the University has constructed nearly three and one-half miles of road to improve accessibility.

On the leased Forest there is a permanent ranger's residence and maintenance buildings. From here a professionally-trained forester, a member of the Staff of the Division of Forestry, will act as a director and will carry out the various forest activities.

The lease specifically excludes such high-priority recreation areas as Darnell Hollow, the trout pond, and Chestnut Ridge Recreation Center, along with such maintenance facilities as the Sand Springs fire tower. The lease also states that the University must provide training in forest fire control for all forestry students and that students are subject to call in control of fire on the Cooper's Rock State Forest.

Under management of the University's Division of Forestry, this area is to be treated as a growing and potentially profitable forest. Those practices which encourage better stands of timber and optimum game populations, and which lead to frequent and rewarding harvests of these crops, will be followed. Dividends from research, teaching, and demonstration of good forestry practices, plus increased yields of forest crops, will contribute substantially to the economy of West Virginia.

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LOUISE BROOKS, HISTORIAN; MRS. W. C. PERCIVAL, ADVISOR

SECOND ROW: JENETTE KIGHT; BETTY REXRODE; JUDY CARRINGTON; MARY CHARLES STRICKLAND;  
BETTY CROMER; RITA EARLS

NOT PICTURED: MARY GASKINS, VICE PRESIDENT; JEAN HEDRICK, TREASURER; FRANCES STUMP;  
FAYE RILEY



The 'Woodchippers' was founded in 1958 to help the Forestry Club whenever needed, and to provide entertainment and 'a night out' for the wives of forestry students. The club meets two evenings a month and during the past year has had many interesting programs. The main event of the year is the annual Christmas party. A family weiner roast in the Spring ends a year of many newly-made friendships and entertainment for the 'Woodchippers'

# HERE'S TO THE FUTURE....?



A GOOD FORESTER SHOULD  
LET TO KNOW THC PEOPLE He  
MUST DEAL WITH.



# FORESTS OF IRAQ

TAHIR SALIH

The important natural resources of Iraq include soil, water, forests, petroleum and minerals. Of these the soil, forests and water are renewable and can be protected and maintained through proper application of applied scientific methods. Thus, they can supply the needs of the Iraqis forever. The protection of each of these—soil, water, and forests—is essential, since they are strongly interrelated. For example, well-managed forests will protect the soil from erosion, reduce the flood hazard, and insure a continuous supply of water for irrigation and drinking.

Petroleum and minerals are non-renewable. When the supply is exhausted, they will be impossible to replace.

All of the forest land is located in the mountains of northern and northeastern Iraq. These stands occur between 1,500 feet and 7,000 feet elevation. No trees or shrubs are found above 7,000 feet, although the highest peak is more than 11,000 feet in height. The forest area of broad-leaved species is 11,100 square miles—this represents only four percent of the total area of the country. There are also 311 square miles of coniferous forests. These are restricted, however, to one locality in northern Iraq.

All forests and forest land are owned and managed by the Government. There are no private forest holdings with the exception of small, scattered irrigated plantations of poplar and sycamore in bottom lands and valleys where soil is fertile and there is ample water from springs.

The benefits of forests and the Iraqi forest policy can be summarized as follows:

1. Soil protection, flood control, and reduction of silting of the huge irrigation dams on both the Tigris and Euphrates rivers.
2. Protection of farm lands and towns from dust and strong winds.
3. Charcoal and fuelwood for heating of homes.
4. Furniture and construction purposes.
5. Recreation, hunting, fishing, and camping.
6. Pole supplies for villagers near the forests.
7. Creation of artificial, irrigated plantations near the towns of central and southern Iraq, where communities are in need of parks and shade.

The Forest Office was established in northern Iraq in 1940. In 1953 it became the Directorate of Forests and Plantations, and the headquarters was moved to Baghdad and placed under the Ministry of Agriculture. The first forest law was enacted in 1955 and the forest policy was framed. Since that time various forest divisions have been created. These include forest management and working plans, surveying and reservation, research, publicity, accounting (financial), and technical divisions.

From 1950 to the present time fourteen Iraqis have graduated from forestry schools. Eight of these obtained their B.S. in Forestry from schools in the United States—three others are still studying towards degrees in this country. Three Iraqis obtained degrees in Turkey. In addition, twelve Iraqis have had two years of practical forestry work and training at the forestry school in Cyprus, while four others received similar training in East Pakistan.

Iraq is more fortunate than other Middle East countries, since it receives capital from petroleum, has fertile soil, abundant water from the Tigris and Euphrates, and abundant cheap labor. The major needs for a strong forestry program are educated men and equipment. With these it is hoped that in the near future there will be sufficient wood and shade from the forests and vast irrigated plantations to satisfy the needs of this growing nation.



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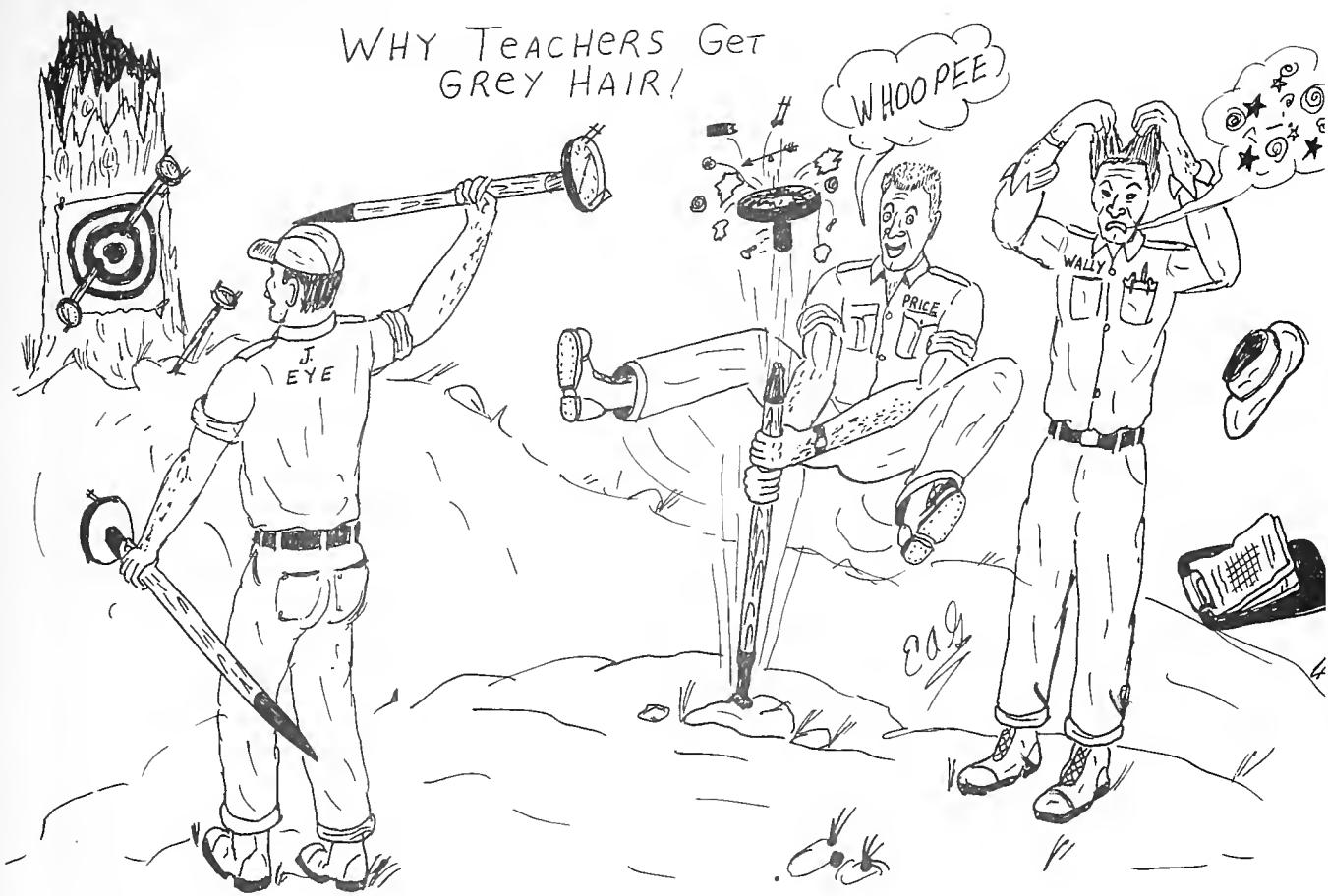




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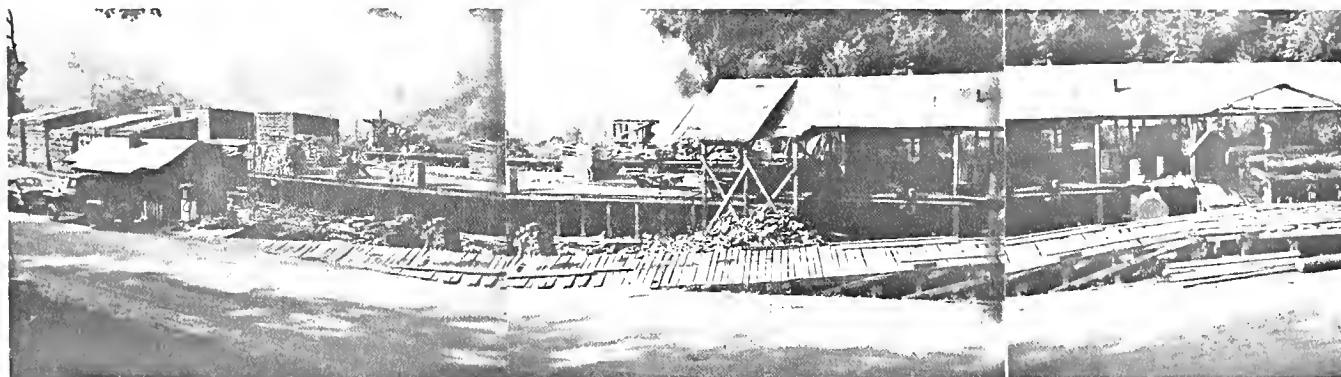
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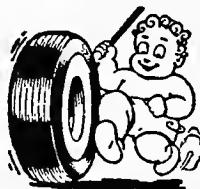
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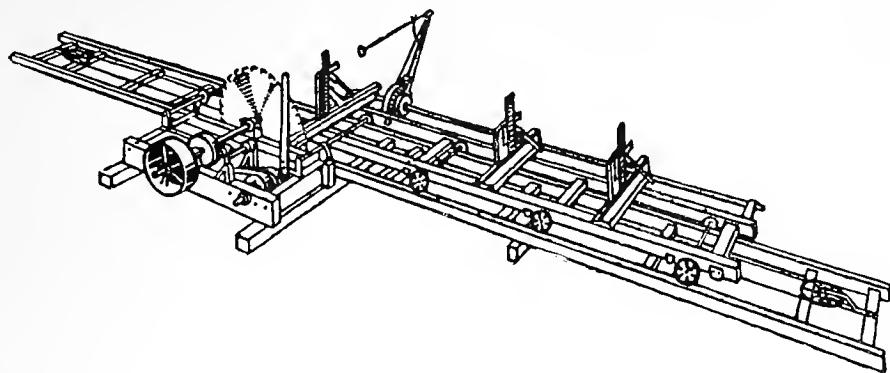
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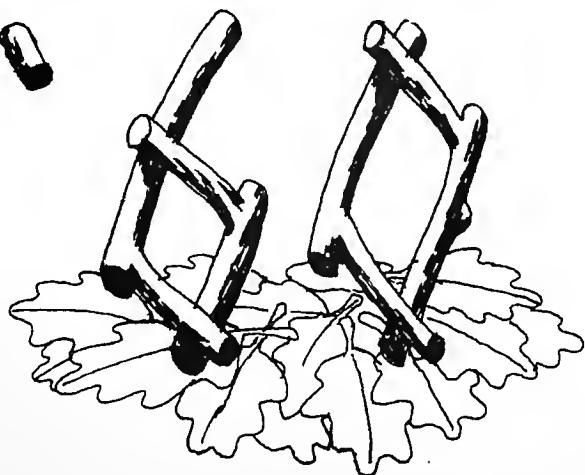


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